

ACCESSION NR: AP4038615

ENCLOSURE: 02

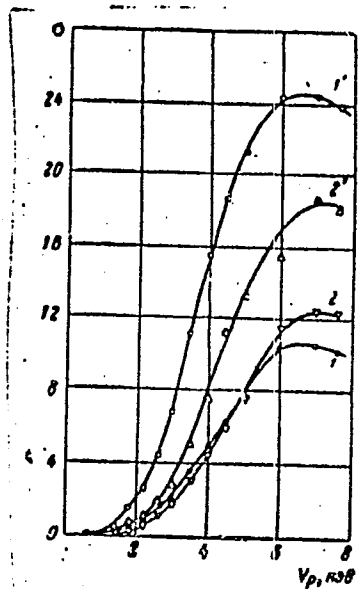


Fig.2. The same as Encl. 01, but for uncompact layers.

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L 16180-65 EWG(j)/EWT(m)/EPF(c)/EPR/EWP(t)/EWP(b) Pr-4/PS-4 SSD/ASNL/  
IJP(c) JD

ACCESSION NR: AP4048889

S/0109/64/009/011/2031/2036

AUTHOR: Yasnopol'skiy, N. L.; Karelina, N. A.

TITLE: Some characteristics of secondary-electron, magnesium-oxide,  
penetration-type emitters

SOURCE: Radiotekhnika i elektronika, v. 9, no. 11, 1964, 2031-2036

TOPIC TAGS: magnesium oxide emitter, secondary emission, secondary emission coefficient

ABSTRACT: Results of an experimental investigation of the secondary emission from an MgO film distilled onto a thin Al backing are reported. The variation of the secondary-emission ratio  $\sigma$  with the backing thickness (200--400 Å), the MgO-layer thickness (47--120 microns/cm<sup>2</sup>), and current density in the primary electron beam ( $10^{-8}$  --  $10^{-4}$  amp/cm<sup>2</sup>) were investigated. These conclusions are reported: (1) reducing the backing thickness in low-voltage emitters results in the  $\sigma(V_p)$  curves shifting toward lower  $V_p$  (primary-electron energy); however,

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the maximum  $\sigma$  practically does not vary or even decreases in the case of thin MgO layers; (2) increasing the MgO-layer thickness up to an optimum value, for a given  $V_p$ , results in higher  $\sigma$ ; (3) the ratio of the number of slow secondary electrons to the number of penetrated primary electrons increases with the thickness of the MgO layer; this holds true for Cs-treated emitters also; (4) the secondary-emission ratio is practically independent of the current density for values of the latter up to  $10^{-4}$  amp/cm<sup>2</sup>; the ratio does not fall off in time under a bombardment of  $3 \times 10^{-5}$  amp/cm<sup>2</sup>. Orig. art. has: 5 figures.

ASSOCIATION: none

SUBMITTED: 01Aug63

ENCL: 00

SUB CODE: EC

NO REF SOV: 005

OTHER: 002

ATD PRESS: 3146

Card 2/2

KARELINA, N.I.; CHERNEVICH, Ye.L. (Novosibirsk)

A case of sarcoma of the lungs. Klin. med. 32 no.11:63-65 N '54.  
(MLRA 8:1)

1. Iz gospi'tal'noy khirurgicheskoy kliniki (zav.-doktor  
meditsinskikh nauk I.L.Bregadze) Novosibirskogo meditsinskogo  
instituta na baze oblastnoy bol'nitsy (glavnyy vrach V.N.Kutikov)  
(LUNGS, neoplasms  
sarcoma)

KARELINA, O.I., dotsent

Effect of macro- and microelements on the development of  
generative organs in Klinsk cucumbers under greenhouse  
conditions. Sbor.nauch.trud. Ivan.sel'khoz.inst. no.16:  
109-118 '58. (MIRA 13:11)

1. Kafedra botaniki i selektsii Ivanovskogo sel'skokhozyaystvennogo  
instituta.

(Cucumbers--Fertilizers and manures) (Trace elements)  
(Generative organs)

KARELINA, R. A.

A. N. Karaseva, A. G. Makarov, R. A. Karelina, et al., Al'bom chertezhey  
desinfektsionnykh kamer /Album of Drawings of Disinfection Chambers/, Medgiz,  
10 sheets. 1954 - 82p.

The album gives schematic drawings of disinfection chambers produced to meet local conditions. Brief technical explanations are appended, together with instructions for work with disinfection chambers.

Intended for disinfection physicians, epidemiologists, disinfecting instructors, workers at sanitary-epidemiological stations, and engineers in sanitary technology.

SO: U-6472, 23 Nov 1954

KARELINA, R.I.

Biology of Chorthippus albomarginatus Deg. in central Yakutia. Uch.  
zap. Iak. un. no.1:99-119 '57. (MIRA 11:3)  
(Yakutia--Locusts)

KARELINA, R.I., prepodavatel'

Harmful locusts in Yakutia. Zashch. rast. ot vred. i bol. 6  
no.11:28 N '61. (MIRA 16:4)

1. Yakutskiy gosudarstvennyy universitet.  
(Yakutia--Locusts--Extermination)



KARELINA, R. I., Cand. Agri. Sci. (diss) "Harmful Locusts of Yakutia (Biological Measures of Control)," Leningrad, 1961, 15 pp. (Leningrad Agri. Inst.) 250 copies (KL Supp 12-61, 279).

STEPANTSOVA, N.P.; GELLER, B.E.; KARELINA, S.L.

Investigating the process of dyeing triacetate silk with active dyes.  
Izv.vys.ucheb.zav.; tekhn.tekst. prom. no.5383-87 '64.

(MIRA 18:1)

1. Tashkentskiy tekstil'nyy institut.

KARELINA, V.

PA 8/49T90

USSR/Medicine - Microorganisms  
Medicine - Infusoria

Jul 48

"Relation of 'Paramecium Caudatum' to the Nucleus  
in Various Stages of Its Ontogenesis," V. Karelina,  
Lab of Dynamics of Growth of Organisms, Inst  
Experimental Med, Acad Med Sci USSR, Leningrad,  
4 pp

"Dok Ak Nauk SSSR" Vol LXI, No 1

Reports experiments. Observed effect of various  
reagents on the infusoria. Tabulates and discusses  
results. Drawing shows granule formation.  
Submitted 5 May 1948.

8/49T90

PA 11/49T57

KARELINA, V. I.

USSR/Medicine - Histology  
Medicine - Burns

Jul 48

"Some Data on Cytohistogenesis," V. I. Karelina,  
Lab of Dynamics of Development of Organisms, Inst  
Experimental Med, Acad Med Sci USSR, Leningrad,  
4 pp

"Dok Ak Nauk SSSR" Vol LXI, No 2

Describes action of neutral red after the pig-  
mented epithelium of the cornea of a hibernial frog  
was subjected to point burn. Concludes that this  
intensified granule formation in lower part of  
burn. Submitted 5 May 48.

11/49T57

PA 11/49T70

KARELINA, V. I.

USSR/Medicine - Microorganisms  
Medicine - Evolution

Jul 48

"Changes Occuring in Protozoa During Their Growth Cycle," V. I. Karelina, Lab of Dynamics of Development of Organisms, Inst Experimental Med, Acad Med Sci USSR, Leningrad, 2 $\frac{1}{2}$  pp

"Dok Ak Nauk SSSR" Vol LXI, No 3

Reports experiments on Onychodromus grandis Stein (Hypotricha). Results support theory of ontogenesis of monocellular organisms. Submitted 5 May 48.

11/49T70

TIMOFEYEV, M.K.; KARELINA, V.I.; KOLUSHEV, I.P.

Outbreak of anthrax on the Arzamas-Gorkiy cattle trail. Zhur.  
mikrobiol., epid. i immaun. 33 no.7:32-35 J1 '62.

(MIRA 17:1)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta  
"Mikrob" i Gor'kovskoy oblastnoy sanitarno-epidemiologi-  
cheskoy stantsii.

EXCERPTA MEDICA Sec.8 Vol.11/4 Neuro.-Psychiatry Apr 58  
~~KARALINA, V.I.~~

1650. CHARACTERISTIC FEATURES OF CEREBRAL HAEMORRHAGE IN  
 HYPERTENSIVE DISEASE (Russian text) - Karalina V.I. - TRUD.1  
 MOSK. MED. INST. 1956, 1 (47-54)

Cerebral haemorrhage which frequently causes the death of patients with hypertensive disease quite often occurs unexpectedly. The author made a study of 41 such cases. Only in 16 patients was there any exacerbation of the condition prior to the cerebral vascular accident (headache, vertigo); in the others cerebral haemorrhage occurred without any warning. Hypertensive disease had been diagnosed during life in only 24 patients. The author divides the remaining 17 patients into 2 groups. No signs of disease were noted in 9 patients of the first group; the second group was distinguished by the presence of neurotic symptoms, and blood pressure was not recorded in this group. In most cases the haemorrhages were massive, and in some cases multiple. They were found most frequently in the subcortical ganglia, cerebellar haemorrhage occupying second place with respect to frequency. In 3 patients the haemorrhage involved the brain stem. On the basis of studies of morphological changes in the vessels the absence of direct connection between the cerebral lesion and atherosclerotic changes in the vessels is emphasized. The latter were prominent in only 9 cases; in 20 they were moderately pronounced and were absent in 12. From the point of view of pathogenesis in cases of cerebral vascular accidents the changes in small vessels are of great interest. Severe changes are observed in these, in the form of infiltration by plasma cells and perivascular haemorrhages (in 32 patients); the cause of these changes is the increased permeability of the vessel walls resulting from functional impairment of vascular innervation.

*see V.I. Karalina*

1650

Vascular spasm leads to the paresis of the adjacent capillary network which results in impairment of vessel wall permeability with subsequent escape of plasma and formed elements of blood into the surrounding tissues. The leading role of functional mechanisms in the aetiology of cerebral haemorrhages is stressed without denying the significance of organic lesions of the vessel wall. (S)



KARELINA, V.

Member, Scientific Staff of the Tomsk Institute of Epidemiology and Microbiology

Candidate of Biological Sciences

"A Soviet Discovery and Foreign Falsifiers,"  
Izvestia (1949) Co-author

Current Digest of the Soviet Press, Vol. No. 36, 1949, page 13. (In ~~the~~ Library)

KARIELINA, V. I.

1-2328. Influence of juices of the digestive tract on the bacteriostatic action of saliv. V. I. Karalina. Trud. Zensk. Inst. Vekstva, 1958, 8, 267-270; Ref. Zh. Mikr., 1959, Abstr. No. 78328. In experiments in vitro with various stocks of dysentery bacteria, it is shown that addition to a coin. of nativin (I) garlic preparation) of a solution of saliva, 1 : 10, reduces the bacteriostatic effect of I; for dilutions with saliva 1 : 100, the inhibiting effect on the activity of I is weaker. Saliva, after boiling has a very weak inhibiting action. Gastric juice as a whole, in a dilution of 1 : 20, decreases the bactericidal properties of I, and gastric juice, neutralized at the same time with 0.1 N-NaOH, inhibits the bactericidal properties of I. Different portions of duodenal juice show an inhibiting effect on the bactericidal properties of I. (Russian) F. McKernan

KONTAKT

[Experience of the Gorky Institute (Leningrad) in work hygiene] Opyt raboty Gorkovskoi obshchinskoi sanepidstantsii po gijgiene truda. Moskva, Meditsina, 1964. 20 p. (KIRA 18-7)

KARELINA, V.I.

Causes of Death

Dissertation: "Sudden Death in the case of Hypertension." Cand Med Sci, First  
Moscow Order of Lenin Medical Inst, 15 Mar 54. (Vechernyaya Moskva, Moscow 3 Mar 54).

SO: SUM 213, 20 Sep 54

KAROLINA, Z.M.

Conference on late results of affections induced by ionizing  
radiation. Mod.rad. 2 no.3:86-89 Ny-Je '57. (MIMA 10:10)  
(RADIATION--PHYSIOLOGICAL EFFECT)

KARELINOV, G.P.

President of the Oblast Administration of Agriculture (Kalinin Oblast) reported "On the status of Veterinary Affairs in the Oblast and the Tasks of Veterinary Specialists in Further Development of Public Animal Husbandry" at the plenary sessions of the oblast conference of veterinary specialists held in Kalinin from September 27 to 29, 1951.

SO:Veterinariya; Vol. 29; No. 1; 61-63; January 1952 uncl deg  
Trans. # 26 by L. Lulich (filed under Conference of Vet Specialists of Kalinin Oblast)

KARELIS, U.; FICA, A., red.

[Mechanization of work in land reclamation] Zemle utrobovanie  
darbu mehanizacija. Riga, Latvijas Valsts izdevnieciba, 1986.  
114 p. [In Latvian] (MIRA 1711)

KARELOV, A G

N/5  
752.4  
.L3

Torgovyie Skidki Na Prodovol'stvennyy i  
Promyshlennyye Tovary (Trade Discount on  
Food and Industrial Goods, By) G. M.  
Lasevich i A. G. Karelov. Pod Red. A. K. Krumina.  
Moskva, Gostorgizdat, 1954.

115 p. Tables.



KARELOV, A.

High-quality wheat has reached the elevator of the Tiflis Milling  
Combine. Muk. elev. prom. 2/4 no.11:27 N '58. (MIRA 11:12)

1. Nachal'nik elevators Tbilisskogo mel'nichnogo kombinata No.1.  
(Tiflis--Grain elevators)

S/724/61/000/000/009/020

AUTHOR: Karelov, G.K.

TITLE: Technological peculiarities of the preparation of AA 8 (AL8) alloy.

SOURCE: Liteynyye alyuminyevyye splavy; svoystva, tekhnologiya plavki, lit'ya i termicheskoy obrabotki. Sbornik statey. E. by I. N. Fridlyand and M. B. Al'tman. Moscow, Oborongiz, 1961, 75-78.

TEXT: The paper describes experimental findings which aid in overcoming difficulties formerly encountered in the pouring of odd-shaped thick-walled AL8 castings and in making the best possible use of the elevated strength and corrosion resistance which make this alloy so desirable for use in machine parts. Many of the casting difficulties are attributable to the strong tendency toward oxidation of the alloy in the liquid state and the need for a high purity in the composition of the alloy. The investigation has established that an addition to the AL8 alloy of Be and Ti decreases sharply the formation of "blackening" in castings, and permits the smelting of the alloy without a protective flux as well as the heat treatment of parts without a protective coating. These findings open broad avenues for the smelting, casting, and heat treatment of parts of AL8. The new procedure permits the use of a solid flux containing a fairly large amount of fluorides, which has an elevated

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Technological peculiarities of the preparation....

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refining capability, and does away with the heretofore employed liquid flux (carnallite, at times with an addition of up to 20% of fluorspar), which had only a low refining capability. It is noteworthy that the former liquid flux was instrumental in destroying the protective coating which otherwise would have permitted the casting of AL8 alloy in cast-iron crucibles, and that the elimination of the liquid flux now permits the use of the protective coating and the casting in cast-iron crucibles. However, remaining difficulties suggested the development of a new flux, also of the  $MgCl_2 \cdot KCl - CaF_2$  system, and a composition comprising 60% carnallite and 40% fluorspar was developed. This new flux sinters into a monolithic solid mass on top of the fused metal and does not interfere with the protective coating. A protective coating made of graphite obtained from graphite-crucible scrap was developed. The precise technology of the smelting, casting, and heat treatment of AL8-alloy parts is described in step-by-step detail, and it is concluded that the mechanical properties of AL8-alloy parts thus produced are significantly better than those required by the Engineering Specifications. There are no figures, tables, or references.

Card 2/2

KARLOV, G.M., inzh.

Fine practical guidance ("Industrial noise and the fight against  
it" by I.I.Slavin. Reviewed by G.M.Karelov). Rech.transp. 18  
no.1:56 Ja '59. (MIRA 12:2)  
(Marine engines--Noise) (Slavin, I.I.)

ZAVADSKIY, Yu.Ye., inzh.; KARELOV, O.Ye., inzh.; Minimali uchastiye:  
STEL'MASHENKO, M.B., inzh.; VYSOTSKIY, A.P., inzh.

Protection of silicon rectifier systems of electric rolling  
stock. Vest. elektroprom. 33 no.9:34-37 S '62. (MIRA 15:10)

(Electric railroads—Current supply)

(Electric current rectifiers)

(Electric protection)

SHRABSHTEYN, B.A., inzh.; KARELOV, Ye.M., inzh.

Pneumatic conveying of cotton from PSB-1 feeder-mixers. Tekst.  
prom. 18 no.6:34-36 Je '58. (MIRA 11:7)  
(Pneumatic tube transportation) (Cotton machinery)

KARELOVA, J.

NIZNANSKY, Frantisek; STRICKER, Frantisek; KARELOVA, Jarmila

Experience with typing of strains of Brucella. Cesk. hyg. epidem.  
mikrob. 2 no.5:374-380 Oct. 53.

1. Za Statneho vedskeho veterinarného ustavu v Bratislave.  
(BRUCELLA,  
typing)

KARELOVA, J.

STRICKER, F.; GRUNERT, Z.; KARELOVA, J.; KOPPEL, Z.

Incidence of listeriosis in animals in Czechoslovakia. Cesk.  
epidem. mikrob. imun. 5 no.5:236-238 Sept 56.

1. Statny vedecky veterinary ustav, Bratislava a pobočka Kosice.  
(LISTERIA, infect.  
in animals, incidence in Czech. (Cz))  
(ANIMALS, dis.  
listeriosis, incidence in Czech. (Cz))



KARELOVA, M.A.

The RTP-192-2 coiler-gearing roving machine. Biul.tekh.-ekon.inform.  
no.7:45-46 '58. (MIRA 11:9)  
(Textile machinery)

KARELOVA, M.A.

The LS-235-3 sliver lapping machine. Biul.tekh.-ekon.inform. no.4:  
45-46 '60.

(MIRA 13:11)

(Textile machinery)

KAREL'SHTEYN, I.M., inzh.; ORLOV, A.N.

From foreign experiments in the use of polypropylene in the  
manufacture of furniture parts. Der. prom. 13 no. 3330-33.  
Mr'64. (GIRA 1037)

1. VORPIM.

FATEYEV, A.V.; KAREL'SHTEYN, I.M.

Using polystyrene foam in the production of furniture. Der. prom. 12  
no.11:15-16 N '63. (MIRA 17:1)

KAREL'SHTEYN, I.M.; POSPELOVA, G.L., red.

[Plastics in the furniture industry; a review] Plasticheskie massy v mebel'noi promyshlennosti; obzor. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl i lesnomu khoz., 1963. 134 p. (MIRA 17:9)

1. TSentral'noye proyektno-konstruktorskoye byuro po mebeli (for Karel'shteyn).

KAUMOV, S., kand. arkhitektury; KAPEL'SHCHIKOV, Yu., arkhitekto.

New buildings for technical schools in Moscow. Prof.-tekh.  
otr. 22 nos. 12:14-15 D '65 (CHRA 19:1)

KAREL'SKAYA, A.F.

Eobrovskaya, A.N. and Karel'skaya, A.F. "Microscopic and bacteriological evaluation of plasma and serum in various methods of separating them from blood and preserving them", Perelivaniye Krovi, Collection 3, (Ivanovo), 1948, p. 147-57.

SO: U-3021, 11 March 53, (Letopis 'zhurnal 'nykh Statey, No. 7 1949)

KAREL'SKAYA, A. F.

"The Question of the Mutability of Staphylococci." Cand Biol Sci, Second  
Moscow Medical Inst, Ivanovo, 1953. (RZhBiol, No 7, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations  
Defended at USSR Higher Educational Institutions (16).




S/137/61/000/012/133/149  
A006/A101

AUTHORS: Shishkina, N.I., Tsekhanskiy, M.I., Karel'skaya, T.A.

TITLE: The behavior of radioactive isotopes during the separation of non-metallic impurities from steel by the method of electrolytic dissolving

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 12, 1961, 36-37, abstract 12I287 ("Byul. nauchno-tekhn. inform. Ural'skiy n.1. in-t chern. metallov", 1960, no. 8, 96 - 102)

TEXT: A stable radioactive tracer was selected. Slags of six different chemical compositions were investigated; they contained Ca, Ce, W and Zr radioactive isotopes. During the separation of radioactive-isotope-containing non-metallic impurities from the steel, and during the processing of deposits by various reagents, their components and the radioactive isotopes are dissolved. As a result the aforementioned isotopes can not be used as tracers to determine the content of non-metallic impurities in steel. It is pointed out that the



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The behavior of radioactive isotopes ...

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existing methods of determining the amount and composition of non-metallic impurities do not yield data characteristic of the true composition of non-metallic impurities.

I. Nikitina

[Abstracter's note: Complete translation]

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TSEKHANSKIY, M.I., kand.tekhn.nauk; SHISHKINA, N.I., kand.khimicheskikh  
nauk; Prinsipali uchastiye: KHUSNOYAROV, K.B.; KAREL'SKAYA, T.A.

Radiometric study of the effect of refractories on the presence  
of nonmetallic inclusions in steel. Stal' 22 no.1:66-67 Ja '62.  
(MIRA 14:12)

1. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov.  
(Steel--Defects)  
(Radioisotopes--Industrial applications)

PETROV, K.M.; DYAKONOV, V.I.; FADEYEV, I.G.; SEMENENKO, P.P.; KRYUKOV, L.G.;  
 Prinimali uchastiye: PASTUKHOV, A.I.; SHISHKINA, N.I.;  
 PAZDNIKOVA, T.S.; CHIRKOVA, S.N.; KAREL'SKAYA, T.A.; LOPTEV, A.A.;  
 DZEMYAN, S.K.; ISUPOV, V.F.; BELYAKOV, A.I.; GUDOV, V.I.;  
 SUKHMEN, L.Ya.; SLESAREV, S.G.; GOLOVANOV, M.M.; GLAGOLENKO, V.V.;  
 ISUPOVA, T.A.; ZYABLITSEVA, M.A.; KAMENSKAYA, G.A.; POMUKHIN, M.G.;  
 UTKINA, V.A.; MANEVICH, L.G.

Vacuum treatment of alloyed open hearth steel. Stal' 22 no.2:113-  
 117 F '62. (MIRA 15:2)

1. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov  
 (for Pastukhov, Shishkina, Pazdnikova, Chirkova, Karel'skaya,  
 Loptev, Dzemyan). 2. Metallurgicheskiy kombinat im. A.K. Serova  
 (for Isupov, Belyakov, Gudov, Sukhman, Slesarev, Golovanov,  
 Glagolenko, Isupova, Zyablitseva, Kamenskaya). 3. 6-y Gosudar-  
 stvennyy podshipnikovyy zavod (for Pomukhin, Utkina, Manevich).  
 (Steel—Metallurgy)  
 (Vacuum metallurgy)

KAREL'SKAYA, V.F.

RADUSHKEVICH, L.V.

24(6) 13 7248 1 BOOK REVIEWS 50/1403  
Sovetskaya po metodam issledovaniya struktury vysokomolokulynykh i poristyykh tel.  
M., Leningrad, 1958.

Metody issledovaniya struktury vysokomolokulynykh i poristyykh tel; trudy stroygo  
spektroskopiy (Methods of Investigating the Structure of Highly Disperse  
and Porous Bodies; Transactions of the Second Conference) Moscow, Izd-vo AN  
SSSR, 1958. 294 p. 2,000 copies printed.

Sponsoring Agencies: Akademiya nauk SSSR. Institut fizicheskoy khimii and  
Institut khimii silikatov.

Imp. Ed.: Dobinin, M.M., Akademicheskii; Ed. of Publishing House: Maslov, L.L.;  
M., Leningrad, 1958.

PURPOSE: This book is intended for scientists, teachers and advanced students  
interested in the structural analysis of highly disperse and porous bodies.

CONTENTS: This collection contains reports by members of various Soviet insti-  
tutions of higher education: Institute of Physical Chemistry, AS USSR;  
Institute of Chemistry, AS USSR; Far Eastern Branch, AS USSR;  
Georgian Scientific Research Institute for Petroleum; State Optical Insti-  
tute; Leningrad Technological Institute; Moscow and Leningrad State Universi-  
ties; Far Eastern Polytechnic Institute; Agrophysical Institute, and others.  
The book contains reports by Professor N.A. Poropov, Director of the  
Institute of Silicate Chemistry, AS USSR, and four other  
divisions (see Table of Contents), the collection includes discussions, con-  
siderations and proposals adopted at the close of the conference.

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Card 8/9

NAGORNIY, V.T.; MAKHAN'KO, A.V.; KAREL'SKAYA, V.F.; TIMCHENKO, I.A.

Feeding fattening pigs with crude sugar beets. Veterinariia  
39 no.10:73-74 0 '62. (MIRA 16:6)

1. Belotserkovskiy sel'skokhozyaystvennyy institut.  
(Sugar beets)  
(Swine--Feeding and feeds)

FEDOT'YEV, N.P.; VYACHESLAVOV, P.M.; KAREL'SKAYA, V.F.; YUDILEVICH, S.R.

Measuring the porosity of chromium coatings by the embedding  
of mercury. Trudy LTI no.53:51-52 '59. (MIRA 14:3)

(Chromium plating--Testing)(Porosity--Testing)

NAKEL'SKAYA, V.F.

PHASE I BOOK EXPLOITATION

128

SOV/6246

Soveshchaniye po tseolitam. 1st, Leningrad, 1961.

Sinteticheskiye tseolity; polucheniye, issledovaniye i primeneniye  
(Synthetic Zeolites: Production, Investigation, and Use). Mos-  
cow, Izd-vo AN SSSR, 1962. 286 p. (Series: Its: Doklady)  
Errata slip inserted. 2500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Otdeleniye khimicheskikh  
nauk. Komisiya po tseolitam.

Resp. Eds.: M. M. Dubinin, Academician and V. V. Serpinskiy, Doctor  
of Chemical Sciences; Ed.: Ye. G. Zhukovskaya; Tech. Ed.: S. P.  
Golub'.

PURPOSE: This book is intended for scientists and engineers engaged  
in the production of synthetic zeolites (molecular sieves), and  
for chemists in general.

Card 1/12<sup>7)</sup>



Synthetic Zeolites: (Cont.)

SOV/6246

COVERAGE: The book is a collection of reports presented at the First Conference on Zeolites, held in Leningrad 16 through 19 March 1961 at the Leningrad Technological Institute imeni Lensovet, and is purportedly the first monograph on this subject. The reports are grouped into 3 subject areas: 1) theoretical problems of adsorption on various types of zeolites and methods for their investigation, 2) the production of zeolites, and 3) application of zeolites. No personalities are mentioned. References follow individual articles.

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Foreword

Dubinin, M. M. Introduction

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Card 2/12 h

KAREL'SKIKH, D.K., prof.; APASHEV, M.D., kand.tekhn.nauk; BARSKIY, I.B.,  
kand.tekhn.nauk; ZAYCHIK, G.I., doktor tekhn.nauk, retsenzent;  
ANOKHIN, V.I., kand.tekhn.nauk, retsenzent; ZARETSKIY, B.I.,  
inzh., red.; POPOVA, S.M., tekhn.red.

[Theory, design, and engineering analysis of tractors] Teoriia,  
konstruktsiia i raschet traktorov. Moskva, Gos.nauchno-tekhn.  
izd-vo mashinostroit. lit-ry. [Pt.3. Theory and analysis of  
tractor chassis] Teoriia i raschet shassi traktorov. Pod obshchei  
red. D.K.Karel'skikh. 1950. 144 p. (MIRA 11:12)  
(Tractors)

COMMON ELEMENTS																										METALLURGICAL LITERATURE CLASSIFICATION																									
GROUPS													SUBGROUPS													SUBGROUPS													SUBGROUPS												
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<p>819. FUEL PRICETTES. Nedopekin, A N and Kerel'skii V F (Russ. P. 58, 325/1940; Chem Abst. 1944, 3, 6073). Powd. fuel, water lass and coal tar itch are mixed and pressed while hot.</p>																																																			

CHERNYAK, B.Ya.; KAREL'SKIY, V.I.

Methods of determining the nonuniform composition of mixtures in  
various cylinders of carburetor engines. Trudy Inst. dvig. no.6:  
140-152 '62.

(Automobiles--Engines--Carburators)  
(Automobile exhaust gases--Testing)

(MIRA 16:5)

KAREN, A.

Smell disorders and their examination. Lek. listy, Brno 7 no.19:480-483 1 Oct 1952.  
(CLML 23:2)

1. Of the Ear, Nose and Throat Clinic (Head--Prof. Frantisek Ninger, M.D.) of Masaryk University, Brno.

CHALUPA, B., PhDr.; KAREN, A., MUDr.; SEVCIK, M., MUDr.

Vestibular disorders in methyl chloride poisoning. Pracovní  
lek. 7 no.5:278-281 Sept 55.

1. Z Oddelení pro prevenci, léčení a posuzování nemocí z povolání  
KUNZ v Brně. Přednosta doc. MUDr. K. Kadlec--Z kliniky chorob  
usních, nosních a krcních lékařské fakulty MU v Brně, Přednosta  
prof. MUDr. F. Ninger.

(POISONING,

methyl chloride, causing vestibular disord.)

(METHYL CHLORIDE, poisoning,  
causing vestibular disord.)

(VESTIBULAR APPARATUS, diseases,  
caused by methyl chloride pois.)

KAREN, Alexander, MUDr.

Inhalation treatment of ozena with special reference to antibiotics. Cesk. otolar. 5 no.1:26-31 Feb 56.

1. Z Kliniky chorob usnich, nosnich a krcnich lekarske fakulty Masarykovy university v Brne, prednosta prof. MUDr. Frantisek Ninger.

(RHINITIS, ATROPHIC, ther.  
mineral water with penicillin & streptomycin. (Cz))

(MINERAL WATER, ther. use,  
atrophic rhinitis, with penicillin & streptomycin.  
(Cz))

(PENICILLIN, ther. use,  
atrophic rhinitis, with mineral water & streptomycin  
(Cz))

(STREPTOMYCIN, ther. use,  
atrophic rhinitis, with mineral water & penicillin.  
(Cz))

CHALUPA, B., PhDr.; ~~KAREN, A.~~ MUDr.; POSPISIL, P., PhDr.;  
SEVCIK, M., MUDr.

Work in noisy environments and hazards of noise in workers  
employed in motor testing plants. Pracovní lek. 8 no 4:269-  
276 Aug 56.

1. Z Oddel. pro. prevenci, lecení a posuzování nemocí z povolání  
KUNZ v Brně, předn. doc. MUDr. K. Kadlec. Z kliniky chorob ušních,  
nosních a krevních lékařské fakulty MU v Brně, předn. prof. MUDr.  
Fr. Ninger.

(HEARING DISORDERS, etiology and pathogenesis  
noise in motor testing plants (Cz))

(NOISE, injurious effects,  
hearing disord. in motor testing plants (Cz))

(OCCUPATIONAL DISEASES,  
hearing disord. caused by noise in motor testing  
plants (Cz))



KAREN, A.

CHALUPA, B., PhDr.; KAREN, A., MUDr.; POSPISIL, P., PhDr.; SEVCIK, M., MUDr.

Complex examination of workers in a noisy environment. Cesk.  
otolar. 6 no.2:65-69 Apr 57.

1. Oddeleni pro prevenci lecení a posuzování nemoci z povolání  
KUNZ v Brně, prednosta doc. MUDr K. Kadlec. Klinika chorob  
usnich, nosnich a krcnich lekárske fakulty MU v Brně, prednosta  
prof. MUDr. Fr. Ninger.

(NOISE, inj. eff.,

in workers of motor testing plant, diag. & prev. (Cz))

(OCCUPATIONAL DISEASES

inj. eff. of noise in workers of motor testing plant,  
diag. & prev. (Cz))

KAREN, A.

VYSKOCIL, Jiri; SKLENSKY, Bohuslav; KAREN, Alexander

Diseases of the respiratory tract in streetcar workers. Pracovní lek.  
10 no.1:32-36 Mar 58.

1. Klinika chorob z povolani v Brne, prednosta doc. MUDr K. Kadlec  
Klinika chorob usnich, nosnich a krcnich v Brne, prednosta profesor  
MUDr Frant. Ninger. J. V. Klinika chorob z povolani Brno, Pekarska ul.  
53.

(RESPIRATORY TRACT, diseases,  
in streetcar workers (Cz))

KAREN, Alexandr; VYSKOCIL, Jiri; SKLENSKY, Bohuslav

Relationship between diseases of the upper and of the lower parts of  
the respiratory tract in city transport workers. Cesk. otolar 8 no.2:  
78-84 Apr 59.

1. Klinika chorob usnich, nosnich a kronich lek. fak. v Brne, prednosta  
prof. dr. Fr. Ninger Klinika chorob z povlani lek. fak. v Brne, prednosta  
doc. dr. K. Kadlec.

(RESPIRATORY TRACT, dis.

in city transport workers (Cz))

SKLENSKY, B.; KAREN, A.

The relation of chronic inflammation of the paranasal sinuses to chronic inflammation of the lower respiratory tract in miners.  
Pracovni lek. 13 no.4:187-190 My '61.

1. Klinika chorob z povolani v Brne, prednosta doc. MUDr. K. Kadlec.  
Klinika chorob usnich, nosnich a krenich v Brne, prednosta profesor  
MUDr. R. Hladky.

(SINUSITIS compl) (RESPIRATORY TRACT INFECTIONS compl)  
(MINING)

KAREN, ALEXANDR

五七五

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[illegible]

20

KAREN, Alexander

Exostoses of the external auditory canal in swimmers. Cesk. otolar.  
10 no.6:326-362 D '61.

1. Klinika chorob usnich, nosnich a krcnich lek. fak. University J. E.  
Purkyne v Brne, prednosta prof. MUDr. Robert Hladky.

(EAR EXTERNAL diseases) (EXOSTOSES statistics)  
(SWIMMING)



LEJHANOVA, Marketa; SKLENSKY, Bohuslav; KAREN, Alexandr

1 Skin injury in the production of tar paper. Prac. lek. 16 no.4:  
163-166 My '64

1. Klinika nemoci z povolani lekarske fakulty University J.E.  
Purkyne v Brne (prednosta: doc. dr. J. Vyskocil).



HAZEN, Hugo, M. M.D.

Thrombophlebitis of the axillary and subclavian veins. J. gen. med.  
36 no.6:389-392 June 1957.

1. 1. celovecká klinika v Praze, přednosta akademik A. Jiránek.  
(ON THROMBOPHLEBITIS, case reports  
axillary thrombophlebitis of effort in violent work)

Category : USSR/Electricity - Semiconductors

G-3

Abs Jour : Ref Zhur - Fizika, No 2, 1957 No 4156

Author : Karenblit, L.L., Shteynberg, A.A.

Title : ~~Graphic Method~~ for Determining the Chemical Potential in Semiconductors.

Orig Pub : Zh. tekhn. fiziki, 1956, 26, No 5, 927-937

Abstract : The presently-used method for determining the temperature dependence of the chemical potential in semiconductors (solution of the neutrality equation for various types of semiconductors) is cumbersome and does not always give a simple end result. A new, simpler and more convenient graphic method is proposed for finding  $\mu(T)$  as the abscissa of the intersection point of two functions, which are the left and right halves of the neutrality equation. If the scale is specially chosen, the determination of  $\mu(T)$  simplifies considerably and reduces fundamentally to the plotting of only two "universal" functions. Many examples are cited.

Card : 1/1

KAREN'GIN, F.I.

Socialist competition between geological prospectors of the  
Ukrainian and Ural geological administrations. Razved.i okh.  
nadr 21 no.3:54-55 My-Je '55. (MLRA 9:12)

(Prospecting)

SSV/132-59-4-13/17

AUTHOR: Karen'gin, F.I.

TITLE: A Drilling Brigade of Communist Labor

PERIODICAL: Razvedka i okhrana nedr, 1959, Nr 4, pp 54-55  
(USSR)

ABSTRACT: A drilling brigade of the Kiyevskiy geologicheskii  
trest (Kiyev Geological Trust) led by Senior Master  
M.P. Iozin has decided to work according to the  
principles fixed by the communist party. Some of  
its achievements are described. Working with an  
SBU-150-ZIV drilling rig (in summer) and a TIR-  
150 with a 200/40 Pump (in winter) the brigade  
covered the 5-year 1954-1958 drilling plan in 4  
years and 6 months. The brigade drilled 58,275 m  
(about 1000 bore holes). In connection with the  
new 7-Year Plan the brigade promised to terminate  
the task fixed by the Plan in 6 years, and challenged  
other drilling brigades to a socialist competition.

Card 1/2

SCV/152-59-4-14/17

A Drilling Brigade of Communist Labor

ASSOCIATION: Kiyevskiy geologorazvedochnyy trust (The Kiyev  
Geological Prospecting Trust)

Card 2/2

KARENGINA, N.S.

Nurses and Nursing

Treatment of laryngo-pulmonary tuberculosis with special reference to nursing.  
Med. sestra no, 6, 1952.

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

GINEVSKIJ, A.; KAREPENKO, I.; FELOROVIC, N.

Deliveries made by the Department of Technical Control  
must be of high quality. Podn org 18 no. 3:140 Mr '64.

KARENIN, K.

Under the Neapolitan sky. Sov.mor. 16 no.17:23 S '56. (MLRA 9:12)  
(United States--Navy)



DYAD'KIN, Yu.D.; MODESTOV, Yu.A.; KAREPIN, B.G.; VESTERMAN, G.M.

Operation of a protective shield under the effect of impact  
loads in free roof caving. Zap. LGI 48 no.1:64-72 '63.  
(MIRA 17:8)

KAREPIN, S.

Important reserve for meat production. Mias. ind. SSSR  
31 no.4:35-36 '60. (MIRA 14:7)  
(Meat industry)

L 44308-65

ACCESSION NR: AP5009501

U/0209/65/000/004/0066/0067

AUTHORS: Karepin, V. (Major of technical service); Sinyavin, A. (Senior technician, Lieutenant)

TITLE: How to calculate engine operating time

7  
B

SOURCE: *Aviatsiya i kosmonavtika*, no. 4, 1965, 66-67

TOPIC TAGS: engine/ MA 505 00 05 counter, TKE 21 relay, TKE 52 relay

ABSTRACT: An automatic unit was developed for use with the counter MA-505-00-05. The device automatically calculates the following engine operating times: 1) total operating time on the ground and in the air; 2) airborne operating time; 3) operating time in a forced condition; 4) operating time in a maximum condition (98% rpm). The main components in the automation unit are one TKE-52 relay and five TKE-21 relays. A 27-v ( $\pm 10\%$  DC) voltage is supplied to the counter and the automation unit from the plane's system, and a 115 v, 400 cps AC current is supplied to the counter's electric motor by the same system. A terminal switch on the main strut of the landing gear is used in a circuit to discriminate between operation on the ground and in the air. When the engine is operated in a forced condition, a current is fed to the "forced" signal lamp and also to the automatic unit where it activates the forced counter and disconnects the maximum counter. A blocking signal from a

Card 1/2

L 44308-65

ACCESSION NR: AP5009501

universal temperature regulator is used to block the maximum counter when the controls are set at maximum but the engine is still not warmed and is operating below maximum rate. The system has been tested on the ground and in flights and has been found accurate. With slight modifications of the external connections the device can be used on the engines of aircraft and helicopters of any type. Orig. art. has: 1 figure.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: AC, PR

NO REF SOV: 000

OTHER: 000

Cord 2/2 MB

L 00845-67

ACC NR: AR6011100

SOURCE CODE: UR/0272/65/000/011/0123/0123

AUTHORS: Obukhov, S. G.; Karepin, V. Ye.

TITLE: A thermostat of increased precision with a semiconductor thermoregulator

SOURCE: Ref. zh. Metrologiya i izmeritel'naya tekhnika, Abs. 11.32.1090

REF SOURCE: Tr. Mosk. energ. in-ta, vyp. 55, 1965, 121-128

TOPIC TAGS: thermostat, automatic temperature control, resistance bridge, filter, copper, electric wire

ABSTRACT: Accurate maintenance of temperature in physical experiments and in measurement techniques requires thermostats with a volume on the order of 1000 cm<sup>3</sup> that ensures a regulation accuracy of  $\pm 0.01$  deg when the range of temperature variation inside the thermostat is 40--70C and the external temperature variation is 18--25C. In addition, the thermostat must be simple, convenient, compact, economical, and operate for a long period without adjustment. A single-stage thermostat developed taking these requirements into account is described. It uses a special generator for powering the bridge permitting selection of a supply frequency for the bridge, which frees the circuit of inductions and pulsations and reduces the dimensions of the filters and isolating capacitors. The sensing element of the thermostat is a copper wire resistance, which ensures the required sensitivity

Card 1/2

UDC: 389:536.581

L 00845-67

ACC NR: AR6014100

of the bridge circuit and higher stability than thermistors. The sensing element permits averaging of temperature. The unbalance voltage at the output of the bridge varies in amplitude and phase according to the change in temperature within the thermostat. After amplification and demodulation, the dc voltage at the output of the demodulator varies in magnitude and sign and enters the final control element--a diode rectifier, which controls the power of the heater in the collector circuit. A heat calculation of the thermostat is given. Tests showed that after the temperature inside the thermostat was established the fluctuations in the output voltage of the bridge over several hours did not exceed  $5-7 \mu V (\sim 4 \cdot 10^{-3} C)$ . 4 illustrations. Bibliography of 9 citations. M. Makler [Translation of abstract]

SUB CODE: 13,09

Card 2/2

pb

OBUKHOV, S.G., inzh.; KAREPIN, V.Ye., inzh.

Thermostat with increased accuracy using a transistor heat regulator.  
Trudy MEI 55:121-128 '65. (MIRA 18:10)

S/080/63/036/001/015/026  
D204/D307

AUTHORS: Bogatyreva, Ye. V. and Karepina, M.A.

TITLE: The inhibiting action of salts of thiodivaleric and sulfonyldivaleric acids in neutral aqueous media

PERIODICAL: Zhurnal prikladnoy khimii, v. 36, no. 1, 1963, 147 - 152

TEXT: Sodium thiodivalerate (I) and sulfonyldivalerate (II) both inhibit the corrosion of steel in water, as determined by weight loss, (particularly in the case of low C steels), inhibitor I being more effective. 0.001 - 0.01 M solutions of I and II fully inhibited the corrosion of galvanic pairs steel/Cr, steel/Ni, Fe/Sn, but were not effective in protecting cast iron, brass, Cu, Zn and Al (corrosion unaffected in the case of Zn and slightly stimulated in the other cases). A study of the effect of inhibitor concentration on the rate of corrosion of steel-4 showed that these inhibitors may be regarded as safe. For the same steel, full protection was obtained

Card 1/2



The inhibiting action of salts ...

S/080/63/036/001/015/026 .  
D204/D307

at  $\text{pH} \geq 7$ , although greater inhibitor concentrations ( $\sim 0.1 \text{ M}$ ) were required when the water also contained  $\text{Cl}^-$  and  $\text{SO}_4^{2-}$  in amounts of 0.001 to 0.025 N. It is demonstrated, on steel-4 that the divalents exert their protective action by retarding essentially the anode process. There are 3 figures and 5 tables.

SUBMITTED:

July 15, 1961

Card 2/2

KARPINSKIY, A. [Karpinski, Andrzej]; RAKOVSKIY, M. [Rakowski, Mieczyslaw];  
SOKOLOVSKIY, V.I. [translator]; SHALASHOVA, V.P. [translator]; MA-  
KARENKO, Ya.I., red.; SHAGALOV, G., red.; KHOMYAKOV, A.D., tekhn.  
red.

[Poland against the background of the world economy] Pol'sha na fone  
mirovoi ekonomiki. Pod obshchei red. IA.I.Makarenko. Moskva, Izd-vo  
inostr. lit-ry, 1961. 221 p. Translated from the Polish. (MIRA 14:11)  
(Poland--Economic conditions) (Economic conditions)

KAREPA, D.

D. Karepa (Zagreb): Die Permutation einer Menge und das Auswahlaxiom.

SO: News of Österreichischen Mathematischen Gesellschaft, Oct. 1952

KAREPIN, S.

Fattening of cattle during long drives. Mias.ind.SSSR 30  
no.1:30-31 '59. (MIRA 12:4)

1. Vsesoyuznaya kontora po importu skota.  
(Cattle)

KUTUKOV, V.P., KAREPIN, S.A.

Veterinary inspection of livestock trails. Veterinariia 35 no.6:  
44-48 Je '58. (MIRA 11:6)

1. Glavnoye upravleniye po sbytu pishchevogo syr'ya pri Gosplane  
SSSR (for Kutikov). 2. Vsesoyuznaya kontora Skotoimport (for  
Karepin).

(Veterinary hygiene)  
(Animal industry)

KAREPIN, S.

Exports of animal products from the Mongolian People's Republic.  
Vnesh.torg. 28 no.12:23-26 '58. (MIRA 12:1)  
(Mongolia--Stock and stockbreeding)  
(Mongolia--Commerce)

KAREPIN, S.A.

Achieve standardization of livestock and meat. Zhivotnovodstvo  
21 no.3:20-25 Mr '59. (MIRA 12:4)

1. Vsesoyūznaya kontora "Skotoimport."  
(Stock and stockbreeding)

KAREPINA, M., kand.. khim. nauk; SUSHKOV, B.

Using corrosion arresters for protecting the inside surfaces  
of tanker tanks. Mor. flot. 18 no.12:15-16 D '58. (MIRA 12:1)

1.Orekhovo-Zuyevskiy pedinstitut (for Karepina). 2.Starshiy inzh.  
Teknikcheskogo upravleniya Ministerstva morskogo flota (for Sushkov).  
(Tank vessels) (Corrosion and anticorrosives)



KAREPINA, M. A.

KAREPINA, M. A.

"Acetoxime Compounds of Divalent Platinum." Cand Chem Sci,  
Inst of General and Inorganic Chemistry, Acad Sci USSR, Moscow,  
1955. (KL, No 9, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical  
Dissertations Defended at USSR Higher Educational Institu-  
tions (14).

KAREPINA, M. A.

USSR/Inorganic Chemistry. Complex Compounds

C

Abs Jour : Referat. Zhurnal Khimiya, No 6, 1957, 18857

Author : A.V. Babayeva M.A. Karepina

Inst : -

Title : Concerning Complex Compounds of Bivalent Platinum with Acetoxime.

Orig Pub : Izv. Sektora Platiny IONKh AN SSSR 1955, No 31, 56-66.

Abstract : The interaction of trans- and cis- $[\text{PtAox}_2\text{Cl}_2]$  (I), where Aox is acetoxime (Report I. RZhKhim 1955, 1758) with  $\text{NH}_3$  and  $\text{C}_5\text{H}_5\text{N}$  was studied and some physico-chemical constants of Pt (2+) complexes with Aox were determined. At the action of the concentrated solution of  $\text{NH}_3$  on cis-I the salt dissolves, and after the superfluous  $\text{NH}_3$  has been removed, white acicular crystals insoluble in  $\text{H}_2\text{O}$  but soluble in diluted acids separate. In accordance with analyses, the following formula was attributed to this compound:  $[\text{PtAox}(\text{CH}_3)_2\text{CNO}(\text{NH}_3)_2\text{O}] \cdot [\text{Pt} \{(\text{CH}_3)_2\text{CNO}\}_2\text{H}_2\text{OCl}]$  (II).

Card 1/2

-30-

USSR/Inorganic Chemistry. Complex Compounds.

Abs Jour : Referat. Zhurnal Khimiya, No 6, 1957, 18857

Light-yellow crystals of  $[\text{PtAox}_2\text{H}_2\text{OCl}]/\text{Cl} \cdot \text{H}_2\text{O}$  (III) in the shape of flat rhombs separate from the filtrate after the separation of II and acidification with HCl. Under the action of HCl (1:1) III forms cis-I. The following mechanism of the reaction of I with  $\text{NH}_3$  is proposed: H detaches from Aox belonging to the internal sphere of I, when the ions  $\text{OH}^-$  are in abundance, and a soluble  $\text{NH}_4$  salts is produced, which transforms later into  $[\text{PtAox}(\text{CH}_3)_2\text{CNOClH}_2\text{O}]$  (IV), where Cl is situated in trans-position to Aox. If the excess of  $\text{NH}_3$  is great, H will separate from the second molecule of Aox in IV and will form  $\text{NH}_4/[\text{Pt} \{(\text{CH}_3)_2\text{CNO}\}_2\text{NH}_3\text{H}_2\text{O}]$  (V); besides, also  $[\text{PtAox}(\text{CH}_3)_2\text{CNO}(\text{NH}_3)_2\text{O}]/\text{Cl}$  (VI) can be formed; anion and cation remaining in the solution produce II, but a considerable amount of V remains in the solution. Cis-I dissolves easily in a 0.3 - 0.5% solution of  $\text{NH}_3$  when heated. Light yellow prisms of IV, well soluble in a

Card 1/3

-31-

KAREPINA, M. A.

137-58-1-1459

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 194 (USSR)

AUTHORS: Barannik, V. P., Karepina, ~~M. A.~~

TITLE: The Source of the Protective Action of Organic Corrosion Inhibitors (Second Communication) [ O prichine zashchitnogo deystviya organicheskikh ingibitorov korrozii (Soobshcheniye vtoroye) ]

PERIODICAL: Uch. zap. Orekhovo-Zuyevsk. ped. in-t, 1957, Vol 4, pp 3-10

ABSTRACT: An investigation has been made of the cause of the protective effects of quinoline (Q) upon the rate of corrosion (RC) of Fe in HCl. In 2-N HCl, no phase films visible to the naked eye came into being. In 10-N HCl and a 10-15% Q solution, a phase film of spicular crystals of yellow color come into being, the chemical composition of which corresponds to the formula  $[C_9H_7NH][FeCl_3]$ . In the air these spicular crystals convert to orange rhombic crystals, containing  $[C_9H_7NH][FeCl_4]$ . On solution of Fe in HCl containing 35-40% Q, crystals having the composition  $[C_9H_7NH]_2[FeCl_4]$  appear on the surface of the metal. The inhibiting action of Q on the RC of Fe in concentrated HCl is explained by the formation of superficial compounds that are poorly

Card 1/2

137-58-1-1459

The Source of the Protective Action (cont.)

soluble in HCl and shield the metal from the acid. A study was also made of the effect of monoethanolamine phosphate (MP) on the corrosion of U-74 steel and Cu in water. As the strength of the MP increased, the RC of the steel diminished and the corrosion of the Cu increased. However, there is an interval of MP in which both metals are practically entirely stable. For the first communication see RZhKhim, 1956, Nr 7, abstract 21358.

N. K.

1. Metals---Corrosion    2. Quinoline---Applications    3. Corrosion  
inhibitors---Protection

Card 2/2

BOGATYREVA, Ye.V.; KAREPINA, M.A.

Inhibiting effect of salts of thiodivaleric and sulfonyldivaleric  
acids in neutral aqueous media. Zhur.prikl.khim. 36 no.1:147-152  
Ja '63. (MIRA 16:5)

(Valeric acid) (Corrosion and anticorrosives)

KAREPOV, A.

Issuing credit on payment documents in transit on notification  
of enterprises. Den. 1 kred. 16 no.2:52-53 F '58. (MIRA 11:3)  
(Credit)

POLYAKOV, I.; POZDNYAKOV, N.; KAREPOV, A.; STARIKOV, I.; DZIBOV, V.;  
VAE'KOV, N.

Uniformity and improvement of short-term credit and payments.  
Den. i kred. 16 no.5:11-25 My '58. (MIRA 11:6)  
(Credit) (Payment)

KARES B. Zdravotni skody pri praci v zavode na zpracovani per Health hazards in a factory handling feathers Pracovni Lekarstvi, Prague 1949, 1/2-3 (168-171)

Workers in a plant engaged in reconditioning and sorting of feathers, were found suffering from irritation and inflammatory changes of the conjunctiva and respiratory passages. Workers handling cheap 'calmuc' suffered from short attacks of pyrexia, starting with rigors and accompanied with general malaise. These facts have to be considered when placing employees in this type of occupation.

Rejsek - Prague

SO: Medical Microbiology & Hygiene Section IV, Vol 3 No 7-12



KARES, B.

Old Czech translation of Galicetti's surgery. Rozhl. chir. 43  
no.12:826-828 2 ' 64

1. Interni oddeleni nemocnice a poliklinikou v Sedlesnech.

KARES, Bohus, MUDr

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1. Z interniho ambulatoria OUNZ Sedlcany.  
(PUBERTY,  
pseudopubertas praecox)  
(GROWTH, in infant and child,  
pseudopubertas praecox)

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